

**SEVENTH APPROXIMATION**  
**DATA FORM FOR CONVENTIONAL ASSESSMENT UNITS (Version 6, 9 April 2003)**

**IDENTIFICATION INFORMATION**

Assessment Geologist:	D.L. Gautier	Date:	11/18/2003
Region:	North America	Number:	5
Province:	San Joaquin Basin	Number:	5010
Total Petroleum System:	Miocene	Number:	501004
Assessment Unit:	Lower Bakersfield Arch	Number:	50100402
Based on Data as of:	IHS 2003; NRG 2002 (data through 2000)		
Notes from Assessor:	Replaces 1995 Lower Bakersfield Arch Play 1003 NRG reservoir growth function		

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**CHARACTERISTICS OF ASSESSMENT UNIT**

Oil (<20,000 cfg/bo overall) or Gas ( $\geq$ 20,000 cfg/bo overall): Oil

What is the minimum accumulation size? 0.5 mmboe grown  
(the smallest accumulation that has potential to be added to reserves)

No. of discovered accumulations exceeding minimum size:  
Established (>13 accums.)    Oil: 13 Gas: 0  
Frontier (1-13 accums.) X Hypothetical (no accums.)   

Median size (grown) of discovered oil accumulations (mmbo):

1st 3rd 31.1 2nd 3rd 3.7 3rd 3rd   

Median size (grown) of discovered gas accumulations (bcfg):

1st 3rd    2nd 3rd    3rd 3rd   

**Assessment-Unit Probabilities:**

Attribute	Probability of occurrence (0-1.0)
1. <b>CHARGE:</b> Adequate petroleum charge for an undiscovered accum. $\geq$ minimum size:	1.0
2. <b>ROCKS:</b> Adequate reservoirs, traps, and seals for an undiscovered accum. $\geq$ minimum size:	1.0
3. <b>TIMING OF GEOLOGIC EVENTS:</b> Favorable timing for an undiscovered accum. $\geq$ minimum size:	1.0

**Assessment-Unit GEOLOGIC Probability** (Product of 1, 2, and 3): 1.0

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**UNDISCOVERED ACCUMULATIONS**

**No. of Undiscovered Accumulations:** How many undiscovered accums. exist that are  $\geq$  min. size?:  
(uncertainty of fixed but unknown values)

Oil Accumulations:	minimum (>0) <u>1</u>	mode <u>8</u>	maximum <u>60</u>
Gas Accumulations:	minimum (>0) <u>1</u>	mode <u>2</u>	maximum <u>5</u>

**Sizes of Undiscovered Accumulations:** What are the sizes (grown) of the above accums?:  
(variations in the sizes of undiscovered accumulations)

Oil in Oil Accumulations (mmbo):	minimum <u>0.5</u>	median <u>2</u>	maximum <u>50</u>
Gas in Gas Accumulations (bcfg):	minimum <u>3</u>	median <u>18</u>	maximum <u>300</u>

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**AVERAGE RATIOS FOR UNDISCOVERED ACCUMS., TO ASSESS COPRODUCTS**

(uncertainty of fixed but unknown values)

<u>Oil Accumulations:</u>	minimum	mode	maximum
Gas/oil ratio (cfg/bo)	400	800	3000
NGL/gas ratio (bngl/mmcfg)	30	60	90
<u>Gas Accumulations:</u>	minimum	mode	maximum
Liquids/gas ratio (bliq/mmcfg)	25	50	75
Oil/gas ratio (bo/mmcfg)			

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**SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS**

(variations in the properties of undiscovered accumulations)

<u>Oil Accumulations:</u>	minimum	mode	maximum
API gravity (degrees)	25	36	50
Sulfur content of oil (%)	0.2	0.4	0.7
Depth (m) of water (if applicable)			
Drilling Depth (m)	minimum	F75	mode
	2100		3000
		F25	maximum
			6000
<u>Gas Accumulations:</u>	minimum	mode	maximum
Inert gas content (%)	0.1	0.2	1
CO <sub>2</sub> content (%)	0.1	1	4.5
Hydrogen-sulfide content (%)	0	0	0
Depth (m) of water (if applicable)			
Drilling Depth (m)	minimum	F75	mode
	4000		5000
		F25	maximum
			6000

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**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO STATES**

**Surface Allocations (uncertainty of a fixed value)**

1. California represents 100 area % of the AU

Oil in Oil Accumulations: minimum \_\_\_\_\_ mode \_\_\_\_\_ maximum \_\_\_\_\_  
Volume % in entity \_\_\_\_\_ 100 \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ 100 \_\_\_\_\_

2. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum \_\_\_\_\_ mode \_\_\_\_\_ maximum \_\_\_\_\_  
Volume % in entity \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_

3. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum \_\_\_\_\_ mode \_\_\_\_\_ maximum \_\_\_\_\_  
Volume % in entity \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_

4. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum \_\_\_\_\_ mode \_\_\_\_\_ maximum \_\_\_\_\_  
Volume % in entity \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_

5. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum \_\_\_\_\_ mode \_\_\_\_\_ maximum \_\_\_\_\_  
Volume % in entity \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_

6. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum \_\_\_\_\_ mode \_\_\_\_\_ maximum \_\_\_\_\_  
Volume % in entity \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_

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7. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

8. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

9. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

10. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

11. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

12. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO LAND ENTITIES**  
**Surface Allocations (uncertainty of a fixed value)**

1. Federal Lands represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

2. Private Lands represents 100 area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ 100 \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ 100 \_\_\_\_\_

3. Tribal Lands represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

4. Other Lands represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

5. State 1 Lands represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

6. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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7. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

8. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

9. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

10. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

11. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

12. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO FEDERAL LAND SUBDIVISIONS**  
**Surface Allocations (uncertainty of a fixed value)**

1. Bureau of Land Management (BLM) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

2. BLM Wilderness Areas (BLMW) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

3. BLM Roadless Areas (BLMR) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

4. National Park Service (NPS) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

5. NPS Wilderness Areas (NPSW) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

6. NPS Protected Withdrawals (NPSP) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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7. US Forest Service (FS) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

8. USFS Wilderness Areas (FSW) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

9. USFS Roadless Areas (FSR) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

10. USFS Protected Withdrawals (FSP) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

11. US Fish and Wildlife Service (FWS) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

12. USFWS Wilderness Areas (FWSW) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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13. USFWS Protected Withdrawals (FWSP) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

14. Wilderness Study Areas (WS) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

15. Department of Energy (DOE) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

16. Department of Defense (DOD) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

17. Bureau of Reclamation (BOR) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

18. Tennessee Valley Authority (TVA) represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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19. Other Federal \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

20. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO ECOSYSTEMS**  
**Surface Allocations (uncertainty of a fixed value)**

1. Central California Coast Ranges (CCCR) represents 0.07 area % of the AU

Oil in Oil Accumulations: minimum \_\_\_\_\_ mode \_\_\_\_\_ maximum \_\_\_\_\_  
Volume % in entity \_\_\_\_\_ 0 \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ 0 \_\_\_\_\_

2. Great Valley (GRVA) represents 99.93 area % of the AU

Oil in Oil Accumulations: minimum \_\_\_\_\_ mode \_\_\_\_\_ maximum \_\_\_\_\_  
Volume % in entity \_\_\_\_\_ 100 \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_ 100 \_\_\_\_\_

3. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum \_\_\_\_\_ mode \_\_\_\_\_ maximum \_\_\_\_\_  
Volume % in entity \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_

4. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum \_\_\_\_\_ mode \_\_\_\_\_ maximum \_\_\_\_\_  
Volume % in entity \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_

5. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum \_\_\_\_\_ mode \_\_\_\_\_ maximum \_\_\_\_\_  
Volume % in entity \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_

6. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum \_\_\_\_\_ mode \_\_\_\_\_ maximum \_\_\_\_\_  
Volume % in entity \_\_\_\_\_

Gas in Gas Accumulations: Volume % in entity \_\_\_\_\_

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7. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

8. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

9. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

10. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

11. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

12. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in Gas Accumulations: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_